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1995. no persons are required to respond to a collection of information unless it displays a valid OMB control number. **Application Number** 10/707,744 TRANSMITTAL Filing Date January 8, 2004 **FORM** First Named Inventor Sugar et al. Art Unit (to be used for all correspondence after initial filing) 2685 Examiner Name Edward F. Urban Attorney Docket Number COG-2-0977 02 US

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	or Individual name Volge and Koenig, P.C. Signature								
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sufficie VA 223	CERTIFICATE OF TRANSMISSION/MAILING  I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.								
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Date

August 3, 2005



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

## In the **PATENT APPLICATION** of:

Sugar et al.

**Application No.:** 10/707,744

Confirmation No.: 1743

Filed: January 8, 2004

For: MULTIPLE-INPUT MULTIPLE-OUTPUT RADIO TRANSCEIVER

Group: 2685

Examiner: Edward F. Urban

Our File:

Date:

COG-2-0977.02.US

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August 3, 2005

## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Further to Applicants' Duty of Disclosure pursuant to 37 C.F.R. §1.56, Applicants wish to bring to the Examiner's attention the material cited on the enclosed PTO-1449 form. Newly cited documents are indicated by an asterisk (\*). Copies of the newly cited documents are enclosed.

Pursuant to 37 C.F.R. §1.98(a)(2)(ii), copies of the cited U.S. publications and/or patent documents have not been included. Copies of previously cited documents are also not included.

Applicant: Sugar et al. Application No.: 10/707,744

It is respectfully requested that the Examiner consider these documents and return an initialed copy of the PTO-1449 form indicating his consideration of the cited materials.

Respectfully submitted,

Sugar et al.

Jeffrey M. Glabicki

Registration No. 42,584

(215) 568-6400

Volpe and Koenig, P.C. United Plaza, Suite 1600 30 South 17th Street Philadelphia, PA 19103

JMG/ks Enclosures (18)

## **FORM PTO-1449** ATTY, DOCKET NO. SERIAL NO. COG-2-0977.02.US 10/707,744 U.S. DEPARTMENT OF COMMERCE **APPLICANT** RATENT AND TRADEMARK OFFICE Sugar et al. FORMATION DISCLOSURE FILING DATE **GROUP** AUG 0 5 2005 STATEMENT BY APPLICANT 2685 January 8, 2004 (1) se several sheets if necessary) PADEM **U.S. PATENT DOCUMENTS** EXAMINER INITIAL FILING DATE IF DOCUMENT NUMBER DATE NAME CLASS SUBCLASS APPROPRIATE 4,150,344 04/1979 Fenk 04/1981 4,263,676 Liebel 4,310,809 01/1982 Buck et al. 4,580,289 04/1986 Enderby 4,696,055 09/1987 Marshall 4,905,306 02/1990 Anderson 5,150,085 09/1992 Hales 5,220,688 06/1993 Tao 5,548,825 08/1996 Maemura et al. 5,579,341 11/1996 Smith et al. 5,606,736 02/1997 Hasler et al. 5,715,529 02/1998 Kianush et al. 5,752,169 05/1998 Hareyama et al. 5,758,265 05/1998 Okanobu 5,832,375 11/1998 Leisten et al. 5,859,854 01/1999 Reudink 5,878,332 03/1999 Wang et al. 5,966,666 10/1999 Yamaguchi et al. Hornak et al. 5,974,306 10/1999 6,094,084 07/2000 Abou-Allam et al. 6,097,269 08/2000 Hernandez 6,125,266 09/2000 Matero et al. 6,151,354 11/2000 Abbey 6,157,822 12/2000 Bastini et al. 6,215,988 04/2001 Matero 6,239,645 05/2001 Tsukahara et al. 0.475.00110105050

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